CLAIMS

1. A high-voltage transformer wherein frames of a primary-side winding, a secondary-side winding and a magnetic-coupling adjusting winding are provided to make the primary-side winding, the secondary-side winding and the magnetic-coupling adjusting winding located in a common magnetic path, and

wherein a part of one of the primary-side winding and the secondary-side winding is wound around a frame of the magnetic-coupling adjusting winding.

2. The high-voltage transformer according to claim 1, wherein the frames of the primary-side winding and the secondary-side winding are formed into a common frame, and wherein the primary-side winding and the secondary-side winding are wound superimposedly around the common frame.

3. The high-voltage transformer according to claim 1, wherein the frames of the primary-side winding and the secondary-side winding are arranged on both sides of the frame of the magnetic-coupling adjusting winding to sandwich the frame of the magnetic-coupling adjusting winding.

4. The high-voltage transformer according to any one of claims 1 to 3, wherein a part of the primary-side winding is wound around the frame of the magnetic-coupling adjusting winding.

5. The high-voltage transformer according to any one of claims 1 to 3, wherein a part of the secondary-side winding is wound around the frame of the magnetic-coupling adjusting winding.